

Title (en)  
ELECTRONIC DEVICE WITH LIGHT SOURCE

Title (de)  
ELEKTRONISCHE VORRICHTUNGEN MIT LICHTQUELLE

Title (fr)  
DISPOSITIF ÉLECTRONIQUE AVEC SOURCE DE LUMIÈRE

Publication  
**EP 3568735 A4 20191225 (EN)**

Application  
**EP 17891829 A 20171213**

Priority

- KR 20170006382 A 20170113
- KR 2017014630 W 20171213

Abstract (en)  
[origin: US2018203562A1] According to an embodiment of the present disclosure, an electronic device may comprise a light source configured to emit light and a display panel configured to output an image, wherein the display panel may include a pixel layer including a plurality of pixels configured to display the image, a driving circuit layer configured to drive at least one of the plurality of pixels, and a light shielding layer disposed adjacent to the driving circuit layer blocking the driving circuit layer from the emitted light, wherein the light shielding layer may be grounded to a ground part formed inside the electronic device. The electronic device may be implemented in various manners according to embodiments of the present disclosure.

IPC 8 full level  
**G06F 1/16** (2006.01); **G06F 1/3215** (2019.01); **G06F 1/3218** (2019.01); **G06F 1/3231** (2019.01); **G06F 1/3234** (2019.01); **G06F 1/3287** (2019.01); **G06F 3/01** (2006.01); **G06F 3/041** (2006.01); **G06F 3/044** (2006.01); **H01Q 1/24** (2006.01)

CPC (source: EP KR US)  
**G06F 1/1637** (2013.01 - KR); **G06F 1/1643** (2013.01 - EP US); **G06F 1/1652** (2013.01 - EP); **G06F 1/1684** (2013.01 - EP); **G06F 1/1686** (2013.01 - EP); **G06F 1/1698** (2013.01 - EP); **G06F 1/3215** (2013.01 - EP); **G06F 1/3218** (2013.01 - EP); **G06F 1/3231** (2013.01 - EP); **G06F 1/3234** (2013.01 - US); **G06F 1/325** (2013.01 - EP); **G06F 1/3262** (2013.01 - EP); **G06F 1/3278** (2013.01 - EP); **G06F 1/3287** (2013.01 - EP); **G06F 3/016** (2013.01 - EP); **G06F 3/041** (2013.01 - EP US); **G06F 3/0414** (2013.01 - KR); **G06F 3/044** (2013.01 - KR); **G09G 5/003** (2013.01 - US); **G09G 5/10** (2013.01 - US); **H01Q 1/2208** (2013.01 - KR); **H01Q 1/243** (2013.01 - EP US); **H05K 1/0218** (2013.01 - KR); **G06F 2203/04105** (2013.01 - EP US); **G06V 40/1306** (2022.01 - US); **G06V 40/19** (2022.01 - US); **G09G 2320/0626** (2013.01 - US); **G09G 2360/144** (2013.01 - US); **H01Q 1/2266** (2013.01 - US); **Y02D 10/00** (2018.01 - EP)

Citation (search report)

- [X1] US 2008122803 A1 20080529 - IZADI SHAHRAM [GB], et al
- [X1] US 2011227873 A1 20110922 - CHUNG JIN-KOO [KR], et al
- [A] US 2014112511 A1 20140424 - CORBIN SEAN S [US], et al
- See also references of WO 2018131799A1

Designated contracting state (EPC)  
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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2018203562 A1 20180719**; CN 110140097 A 20190816; CN 110140097 B 20230602; EP 3568735 A1 20191120; EP 3568735 A4 20191225; EP 3568735 B1 20210127; KR 102562001 B1 20230802; KR 20180083737 A 20180723; WO 2018131799 A1 20180719

DOCDB simple family (application)  
**US 201715840503 A 20171213**; CN 201780081926 A 20171213; EP 17891829 A 20171213; KR 20170006382 A 20170113; KR 2017014630 W 20171213